

GENERATOR MODEL: P 300

Frequency/Speed - Voltage	50HZ/1500RPM-230/400V	
Prime Power	300 KVA	240 KW
Standby Power	330 KVA	264 KW

Features:

- **Warranty: 1 year or 1000 hours.**
- **Low fuel shutdown safety.**
- **24/7 after sales support.**
- **Generator made by OEM Perkins-UK**
- **Perkins as the world's leading power Power manufacturer science 1932.**
- **Advance digital control system, Long service life, Easy to Operate, Low Fuel consumption, Anti vibrating Isolators.**
- **Automatic start (optional) ecofriendly.**
- **Easy and economical availability of Spares.**



Engine

Perkins-UK, Model 1506A-E88TAG5, in accordance to ISO3046, ISO 8528, DIN 6271



Alternator

Leroy Somer-France / Meccalte-UK Stamford UK Complying to the following Norms:CEE/CE12/3/EN60034-1 / IEC34-1/VDE



Control Panel

Deep Sea DSE-4520, Made in UK, Complying to the norms: Comply to the norms BS EN 61000, BS EN 60950, BS EN 60068



Fuel Tank

8 Hours @ Continuous Operation.



Dimensions

(LXWXH)= 28"x42"x68"

PERKINS ENGINE TECHNICAL DATA

MODEL: 1506A-E88TAG5



STRUCTURE

Number Of Cylinders	6
Engine Build	In Line
Bore	112 mm
Stroke	149 mm
Displacement	8.8 L
Compression Ratio	16.1:1
Aspiration	Turbocharged
Cooling	Air to Air
Fuel Tank	Built in fuel tank for at least 10 hours operation @ full load
Fuel System	75 % Direct Injection
Fuel Recommended	N° Diesel
	1500 RPM



FUEL

Delivery Flow Rate (l/hr)

Fuel Consumption	
100% Load (g/kwh-L/hr)	(196)65
75% Load (g/kwh-L/hr)	(195)48
50% Load (g/kwh-L/hr)	(198)33
Engine Coolant Capacity	51.4 L
Air Flow Radiator	437.7
Radiator with 50 degree ambient	
Cooling Package & Air Cleaner	
Thermostatically-Cntroled	



COOLING SYSTEM



AIR INLET

Air Intake Engine (Clean Filter/Dirty)	2.5 KPa
Exhaust Gas Temperature	561
Exhaust Gas Flow (Prime)	574(1065)
Maximum Exhaust System Back	
Pressure	10 Kpa
Stainless Steel Exhaust Flex	



EXHAUST SYSTEM



DC SYSTEM
STARTING/CHARGING



HEAT REJECTION
(PRIME)

LUBE SYSTEM

GOVERNOR



STRUCTURE

Cranking Battery Voltage	24 V
Battery Charging Alternator	45 A
DC Voltage Monitoring Via	

Radiated Heat to Ambient	887 Btu/min
Heat Rejection to Coolant	2488 Btu/min
Heat Rejection to Exhaust	12315 Btu/min
Heat Rejection to intercooler	2487 Btu/min

Lubricating Capacity: TBA

Mechanical

ALTERNATOR TECHNICAL DATA



Insulation System	Class H
Winding Pitch	2/3 to Minimize Harmonics effects
Number of Poles	4
Number of Bearings	Single Bearing
RPM	1500 RPM
Power Factor	0.8/1
Regulation	± 1%
Frequency	50 Hz
Voltage Range	380-415 / 220-240
IP Rating (Protection)	Ip23

Synchronous, 3/1 phase, Brushless & Self Excited

NOTE: Alternator Brand & Model Subject to Availability.

CONTROL MODULE

DEAP SEA MODEL: DSE 6020



INDICATIONS

- ☑ Operating Hours
- ☑ 3 Phase Generator Voltage Sensing & Monitoring
- ☑ Current Protection & Monitoring
- ☑ Power Measurement (kW, kVA, kVAR, kWh, kVAh, kVArh, pf)
- ☑ Frequency Monitoring (Hz)
- ☑ Oil Pressure/Coolant Temperature
- ☑ Battery Voltage Monitoring (DC)
- ☑ Alarm Acknowledge



CONTROL

- ☑ Engine Cool Down Timer
- ☑ Emergency Stop Push button/ Alarm Acknowledge
- ☑ Warm-up Timer
- ☑ Load Switching Timer
- ☑ Engine Cycle Crank



WARNING & SHUTDOWN ALARMS

- ☑ Generator Over/Under Voltage & Frequency
- ☑ Crank Disconnect (Failure to Start)
- ☑ Under/Over Speed
- ☑ Over Current
- ☑ Low Oil Pressure
- ☑ High Water Temperature
- ☑ Low Fuel Level
- ☑ Low Water Level



FEATURES

- ☑ User Friendly
- ☑ Compatible With CAN Engines
- ☑ License Free Software
- ☑ Largest Backlit Icon Display In Its Class
- ☑ Fully Configured Via The Fascia Or Pc Using Usb
- ☑ Efficient Power Save Mode

AUTHORIZED DEALER: